

## **WHAT IS CLAIMED IS:**

### **CLAIMS**

1. A network comprising:

a system generating request information using a terrestrial forward path including an internet service provider, the request information including a dynamic address, the dynamic address changing with each connection to an internet service provider; and

a Hub broadcasting requested information back to an end-user using a terrestrial wireless path, in response to the request information including the dynamic address.

2. A method of routing data comprising the steps of:

generating request information using a terrestrial forward path including an internet service provider, the request information including a dynamic address, the dynamic address changing with each connection to an internet service provider; and

broadcasting requested information back to an end-user using a terrestrial wireless path, in response to the request information including the dynamic address.

3. A Wireless Hub comprising:

a first server receiving first request information;

a second server coupled to the first server and generating second request information in response to the first request information received by the first server, the second server receiving first internet content in response to generating the second request information; and

a wireless transmitter coupled to the second server and broadcasting second internet content in response to the first internet content received by the second server.

4. A Wireless Hub comprising:

a first server means for receiving first request information;

a second server means coupled to the first server means, the second server means for generating second request information in response to the first request information received by the first server means, the second server means receiving first internet content in response to generating the second request information; and

a wireless transmitter means coupled to the second server means, the wireless transmitter means for broadcasting second internet content in response to the first internet content received by the second server means.

5. A method of broadcasting internet content comprising the steps of:

receiving first request information in a first server;

generating second request information with a second server in response to the first request information received by the first server, the second server receiving first internet content in response to generating the second request information; and

broadcasting second internet content in response to the first internet content.

6. A Hub comprising:

a first server residing in a first IP address domain and generating first information;

a second server coupled to the first server, the second server residing in a second IP address domain different from the first IP address domain, the second server generating second information in response to the first information generated by the first server; and

a wireless transmitter coupled to the second server and generating third information in response to the second information generated by the second server.

7. A Hub comprising:

a first server means residing in a first IP address domain and generating first information;

a second server means coupled to the first means, the second server means residing in a second IP address domain different from the first IP address domain, the second server means generating second information in response to the first information generated by the first means; and

a third server means coupled to the second server means and generating third information in response to the second information generated by the second server means.

8. A Wireless Hub comprising:

generating first information with a first server, the first server residing in a first address domain;

generating second information with a second server in response to the first information generated by the first server, the second server residing in a second address domain different from the first address domain; and

generating third information with a wireless transmitter in response to the second information generated by the second server.

9. A Wireless Hub comprising:

A server receiving IP packets from an end-user through a terrestrial path, the IP packets including dynamic source address information, the dynamic source address information changing with each connection to an internet service provider;

the server retrieving internet content in response to the IP packets; and

a transmitter coupled to the server and broadcasting information back to the end-user through a terrestrial wireless path, in response to the internet content retrieved by the server.

10. A Wireless Hub comprising:

A server means for receiving IP packets from an end-user through a terrestrial path, the IP packets including dynamic source address information, the dynamic source address changing with each connection to an internet service provider;

the server means retrieving internet content in response to the IP packets; and

a transmitter means coupled to the server means, the transmitter means for broadcasting information back to the end-user through a terrestrial wireless path, in response to the internet content retrieved by the server means.

11. A Wireless Hub comprising:

receiving IP packets from an end-user through a terrestrial path, the IP packets including dynamic source address information, the dynamic source address changing with each connection to an internet service provider

retrieving internet content in response to the IP packets; and

broadcasting information back to the end-user through a terrestrial wireless path, in response to the internet content.

12. Hub comprising:

a router receiving a first request;

a switch coupled to the router and generating second information in response to the first request received by the router;

a proxy farm coupled to the switch and generating internet content information in response to the second information generated by the switch;

a gateway coupled to the proxy farm and generating a transport stream in response to the internet content information generated by the proxy farm;

a modulator coupled to the gateway and generating a modulated signal in response to the transport stream generated by the gateway; and

a transmitter coupled to the modulator and generating an up converted signal in response to the modulated signal generated by the modulator.

13. A Hub as set forth in claim 12, wherein the transport stream is an MPEG-2 compliant transport stream.

14. A Hub as set forth in claim 12, wherein the modulated signal is an a 70 Mhz intermediate frequency modulated signal.

15. A Hub as set forth in claim 12, wherein the up-converted signal is up-converted to between about 200 Mhz and about 70Mhz.

16. An end-user system comprising:

a connection interface including a connection interface address and establishing a plurality of connections with a service provider,

the connection interface receiving a dynamic internet protocol address in response to establishing the plurality of connections with the service provider, wherein the dynamic internet protocol address changes with each of the plurality of connections to the service provider; and

a wireless interface coupled to the connection interface and receiving a broadcasted signal, the broadcasted signal including the connection interface address, the dynamic internet protocol address and internet content,

the wireless interface processing the broadcasted signal and providing the internet content to an end-user in response to the interface address and in response to the dynamic internet protocol address.

17. An end-user system as set forth in claim 16 wherein the connection interface is coupled to the wireless interface across an computer back plane.

18. An end-user system as set forth in claim 16 wherein the connection interface is coupled to the wireless interface across a local area network.

19. A method of communicating comprising the steps of:  
establishing a plurality of connections with a service provider using a connection interface including a connection interface address,  
receiving a dynamic internet protocol address with the connection interface in response to establishing the plurality of connections with the service provider, wherein the dynamic internet protocol address changes with each of the plurality of connections to the service provider; and  
receiving a broadcasted signal in a wireless interface, the broadcasted signal including the connection interface address, the dynamic internet protocol address and internet content,  
processing the broadcasted signal with the wireless interface address and providing the internet content to an end-user in response to the interface address and in response to the dynamic internet protocol address.

20. A computer data signal including media access control address information and transmission control protocol/internet protocol address information, embodied in a carrier wave and representing sequences of instructions which, when executed by a processor cause the processor to decode first address information and second address information, comprising the steps of:

generating a modulated signal by down converting the data signal;

checking the media access control address information in response to the modulated signal information;

generating a transport stream by demodulating the modulated signal;

checking the transmission control protocol/internet protocol address information in response to the transport stream information; and

generating internet content by decompressing the transport stream.

21. A computer program embodied on a computer readable medium for providing information to an end-user comprising:

first instructions for down converting a wireless signal thereby generating a down converted signal including media access control information;

second instructions for checking the media access control information, thereby generating a first test information;

third instruction for demodulating the down converted signal in response to the first test information, thereby generating a transport stream including a transmission control protocol/internet protocol address;

fourth instruction for testing the transmission control protocol/internet protocol address thereby generating second test information; and

fifth instructions for decompressing the transport stream in response to the second test information, thereby generating internet content information.